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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   | <b>Application Number</b>     | 10/681,890           |
|   |   | <b>Filing Date</b>            | October 8, 2003      |
|   |   | <b>First Named Inventor</b>   | Chau, Vincent        |
|   |   | <b>Group Art Unit</b>         | 1852                 |
|   |   | <b>Examiner Name</b>          | Fronza, Christian L. |
|   |   | <b>Attorney Docket Number</b> | MP197-057P1RCP1CN1M  |
| <b>Sheet</b>  | 1 | <b>of</b>                     | 1                    |

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| COO   | C36                      | Brady, Kevin P., et al., "Genetic mapping of 262 loci derived from expressed sequences in a murine interspecific cross using single-strand conformational polymorphism analysis," <i>Genome Research</i> , Vol. 7 (1997) pp 1085-1093                               |                |
| ↓   | C37                      | Gong, L., et al., "Ubiquitin conjugating enzyme 12 [Homo sapiens] July 14, 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on April 11, 2006]. GenBank Accession No. AAC28141                          |                |
| ↓   | C38                      | Osaka, F., et al., "Nedd8-conjugating enzyme hUbc12 [Homo sapiens] July 26, 2001 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on April 11, 2006]. GenBank Accession No. BAA33145                         |                |
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|   |   |    |   | Application Number   |  |
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|   |   |    |   | First Name of Inventor   |  |
|   |   |    |   | Group Art Unit   |  |
|   |   |    |   | Examiner Name  |  |
|   |   |    |   | Attorney Docket Number   |  |
| Sheet   | 1 | of | 1 | Herewith<br>Chau, Vincent<br>TBA<br>TBA<br>MPI97-057P1RCP1CN1M |  |

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|--------------------|---------------------------|-----------------|---------|
| Examiner Signature | <i>Chastity L. Ponder</i> | Date Considered | 4/24/06 |
|--------------------|---------------------------|-----------------|---------|

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|   |   | Application Number     |                     |
|   |   | Filing Date            | Herewith            |
|   |   | First Name of Inventor | Chau, Vincent       |
|   |   | Group Art Unit         | TBA                 |
|   |   | Examiner Name          | TBA                 |
|   |   | Attorney Docket Number | MPI97-057P1RCP1CN1M |
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| <div style="font-size: 2em; font-family: cursive;">CDD</div> <div style="border-left: 1px solid black; height: 100%; width: 1px; margin: 0 auto;"></div> <div style="font-size: 2em; font-family: cursive;">↓</div> | C1                    | Adams, M.D., et al. : Homo Sapiens cDNA Clone Similar to Ubiquitin-Activating Enzyme ; (1997) ; EMBEST Database Entry HSZZ89371, Accession Number AA384235, XP-002103411, See Sequence  |                |
|   | C2                    | Altschul et al., Nucleic Acids Research 25(17):3389-3402 (1997)   |                |
|   | C3                    | Attwood, et al., Comput. Chem 25(4):329-339 (2001)  |                |
|   | C4                    | Chow et al., The Journal of Biological Chemistry 271(19):11339-11346 (1996)   |                |
|   | C5                    | Clackson, T. P., Genetically Engineered Monoclonal Antibodies 30(S2):36-39 (1991)   |                |
|   | C6                    | Gante J., Agnew chem.. Into. Ed. Engl. 33:1699-1720 (1994)  |                |
|   | C7                    | Hershko, et al., Annu. Rev. Biochem. 61:7610807 (1992)  |                |
|   | C8                    | Hillier et al. : Homo Sapiens cDNA Clone Similar to Ubiquitin-Activating Enzyme ; (1997) ; EMBEST Database Entry HS1201636, Accession Number AA401865, XP-002103407, See Sequence   |                |
|   | C9                    | Hillier et al. : Homo Sapiens cDNA Clone Similar to Ubiquitin-Activating Enzyme ; (1997) ; EMBEST Database Entry HS1201722, Accession Number AA401968, XP-002103408, See Sequence   |                |
|   | C10                   | Horwell D.C., Bioorganic & Med. Chem. 4(10):1573-1576 (1996)  |                |

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|  |   | <b>First Nam d Inv nt r</b> | Chau, Vincent |                               |                     |
|  |   | <b>Group Art Unit</b>       | TBA           |                               |                     |
|  |   | <b>Examiner Name</b>        | TBA           |                               |                     |
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| C12   | C11                             | Hopkin K., The Journal of NIH Research 9:36-42 (1997)  |                      |
|   | C12                             | Jentsch, S., Annu. Rev. Genet. 26 :179-207 (1992)  |                      |
|   | C13                             | Jones et al., Nature 321 :522-525 (1986)   |                      |
|   | C13                             | Kamitani, T. et al., J. Bio. Chem. 272(22) :14001-14004 (1997)   |                      |
|   | C14                             | Kamitani, T., et al., J. Bio. Chem. 272(45):28557-28562 (1997)   |                      |
|   | C15                             | Loeb et al., The Journal of biological Chemistry 267(11):7806-7813 (1992)  |                      |
|   | C16                             | Kumar et al., Biochemical and Biophysical Research Communication 185(3):1155-1161 (1992)   |                      |
|   | C17                             | Kumar et al., Biochemical and Biophysical Research Communication 195(1):393-399 (1993)   |                      |
|   | C18                             | Leyser, et al., Arabidopsis Auxin-Resistance Gene AXR1 Encodes a Protein Related to Ubiquitin-Activatin enzyme E1 364:161-164 (1993)   |                      |

*Christa L. Thonde*

*7/24/06*

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|  |   | Applicati n Number       |                     |
|  |   | Filing Date              | Herewith            |
|  |   | First Nam d Inventor     | Chau, Vincent       |
|  |   | Group Art Unit           | TBA                 |
|  |   | Examiner Name            | TBA                 |
|  |   | Attorney Docket Number   | MPI97-057P1RCP1CN1M |
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| EJ   | C19                      | Liskamp, R.M.J., <i>Recl. Trav. Chim. Pays-Bas</i> 113:1-19 (1994)  |                |
|  | C20                      | Marra, M., et al. : <i>Mus Musculus</i> cDNA Clone Similar to Ubiquitin-Conjugating Enzyme E2; (1977) ; EMBEST Database Entry AA671071, Accession Number AA671071, XP-002103412, See Sequence   |                |
|  | C21                      | Marx, J. L., <i>Science</i> 229:455-456 (1985)  |                |
|  | C22                      | Murray A., <i>Cell</i> 81:149-152 (1995)  |                |
|  | C23                      | National Cancer Institute, Cancer Genome Anatomy Project (CGAP) : <i>Homo Sapiens</i> cDNA Clone Similar to Ubiquitin-Conjugating Enzyme E2 ; (1997) ; EMBEST Database Entry HSAA61836, Accession Number AA261836, XP-002103409, See Sequence                       |                |
|  | C24                      | National Cancer Institute, Cancer Genome Anatomy Project (CGAP) : <i>Homo Sapiens</i> cDNA Clone Similar to Ubiquitin-Conjugating Enzyme E2 ; (1997) ; EMBEST Database Entry HSAA577116, Accession Number AA577116, XP-002103410, See Sequence                      |                |
|  | C25                      | Osaka et al., <i>Genes &amp; Development</i> 12:2263-2268 (1998)  |                |
|  | C26                      | Okura et al., <i>Jml. Of Immunology</i> :4277-4281 (1996)   |                |
| ↓  | C27                      | Ponting, C. P., <i>Brief. Bioinform.</i> 2(1):19-29 (2001)  |                |

*Christina L. Wende*

4/24/06

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|  |   | Filing Date              | Herewith            |
|  |   | First Named Inventor     | Chau, Vincent       |
|  |   | Group Art Unit           | TBA                 |
|  |   | Examiner Name            | TBA                 |
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| <div style="font-size: 2em;">C28</div> <div style="font-size: 4em;">↓</div> | C28                   | Riechmann et al., Nature 332:323-327 (1988)   |                |
|   | C29                   | Rock et al., Cell 78:761-771 (1994)   |                |
|   | C30                   | Rodwell, J.D., Engineering Monoclonal antibodies 342 :99-100 (1989)   |                |
|   | C31                   | Scheffner et al., Cell 75:495-505 (1993)  |                |
|   | C32                   | Seebach et al., Helvetica Chimica Acta 75 :913-934 (1992)   |                |
|   | C33                   | Thompson et al., CLUSTAL W: Improving the Sensitivity of Progressive Multiple Sequence Alignment Through Sequence Weighting, Position-Specific Gap...22(22) :4673-4680 (1994)   |                |
|   | C34                   | Townsley et al., Proc. Natl. Acad. Sci. 94 :2362-2367 (1997)  |                |
|   | C35                   | Verhoeven et al., Science 239 :1534-1536 (1988)   |                |

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